GOVERNMENT OF ANDHRA PRADESH

ABSTRACT

Energy Department–APEPDCL- Establishment of the Centre of Excellence for Energy Transition (CoEET) in Visakhapatnam- Orders - Issued.

ENERGY (POWER.I) DEPARTMENT

G.O.RT.No. 93 **Dated: 23-09-2025**

From the Chairman and Managing Director APEPDCL Visakhapatnam,Lr.No.CMD/APEPDCL/VSP/F.CoEET/I.No.935559/25, Dated:12.09.2025.

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ORDER:

In the reference read above, the Chairman and Managing Director APEPDCL Visakhapatnam has informed that Eastern Power Distribution Company Limited of Andhra Pradesh (APEPDCL) has developed Andhra Pradesh's first state-of-the-art Super ECBC building at Sagar Nagar, Visakhapatnam, with an investment of Rs.13.5 crores, including a grant of Rs.5 crore from the Bureau of Energy Efficiency. During the APPCC meeting held on 5th July 2025, it was approved to convert this building into a Centre of Excellence for Energy Transition (CoEET) under a collaborative model and it was also agreed that future expenditures for CoEET would be shared among AP DISCOMS, APGENCO, and APTRANSCO as per MoM of APPCC.

2. The Chairman and Managing Director APEPDCL Visakhapatnam has further informed that since initiated the establishment of CoEET, envisioned as a registered Society, serving as a collaborative platform for innovation, skill development, entrepreneurship, and policy support in the clean energy domain. The center aims to address regional and utility-specific challenges while aligning with national energy goals and global climate commitments and strategically, Andhra Pradesh is well-positioned to lead India's energy transition, given its coastal advantage, renewable potential and robust infrastructure. COEET will leverage these strengths to promote clean energy innovation, attract investments, and build a skilled workforce.

3. The Chairman and Managing Director APEPDCL Visakhapatnam has further informed that the center's vision is to become a leading hub for sustainable energy transition. Its objectives include fostering research, capacity building, multi-stakeholder collaboration, policy support, and startup incubation. Over the next five years, CoEET aims to deliver more than 20 applied research and pilot projects, train over 1,000 professionals, incubate 10+ startups, and contribute meaningfully to policy development and requested to accord approval for the Establishment of the Center of Excellence for Energy Transition (CoEET) in Visakhapatnam by APEPDCL.

(P.T.O)

4. Andhra Pradesh is poised to spearhead India's energy transition, leveraging its strategic coastal location, abundant renewable energy resources, and forward-thinking policies. With a strong logistical backbone supported by its coastline, operational ports, and critical infrastructure, the slate is well-suited for energy deployment and export. A skilled workforce, industrial parks, and Special Economic Zones further enhance its attractiveness for clean energy investments and manufacturing, positioning Andhra Pradesh as a potential national hub for clean energy innovation and deployment.

5. The Government after careful examination of the matter , have accepted the proposal of the Chairman and Managing Director APEPDCL Visakhapatnam for establishing the Center of Excellence for Energy Transition (CoEET) in Visakhapatnam, which is primarily envisioned to position both Power utilities and the State of Andhra Pradesh as thought leaders and enablers in the clean energy transition journey, aligned with India's national energy goals and global climate commitments.

I. **Vision:** To become a leading knowledge and innovation hub driving sustainable energy transition in Andhra Pradesh and beyond.

II. **Objectives**:

a. Facilitate research and innovation in energy transition technologies.
b. Develop skill development and capacity-building programs aligned with industry needs.
c. Foster collaboration between academia, industry, government, and civil society.
d. Support policy formulation through data-driven insights and pilot programs.
e. Promote entrepreneurship and incubation of energy tech start-ups.

III. The following Scope of Activities shall be undertaken by the CoEET:

a. Research & Development:

- Grid integration of renewable energy and storage systems.
- Smart grid technologies and demand-side management.
- Decentralized energy systems (e.g., rooftop solar, microgrids).
- Electric vehicle charging infrastructure and grid impact studies.
- Green hydrogen pilots and feasibility studies.
- AI/ML applications in grid operations and energy forecasting

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b. Skill Development & Capacity Building:

- Certification programs for utility engineers and technicians.
- Short-term courses in partnership with academic institutions.
- Internships and fellowships for students and researchers.
- Faculty development programs and workshops.

c. Industry-Academia Collaboration

- Joint research projects with academic and industry partners.
- Policy whitepapers and knowledge dissemination.
- Live utility pilots for testing and validation of new technologies.

d. Entrepreneurship Support

- Incubation support for start-ups in energy transition.
- Mentorship programs with industry experts.
- Access to funding and investor networks.

IV. The Targeted Outcomes from the center of excellence for energy transitions Include:

a. Economic Development and Job Creation
b. Leadership in Energy Transition
c. Enhanced Energy Security and Sustainability
d. Strengthened Policy and Regulatory Frameworks
e. Global Collaboration and Recognition
f. Capacity Building and Knowledge Ecosystem

V. The CoEET is proposed to be established as a Society to be registered under the Societies Registration Act under the control of APEPDCL. The Proposed governance model for CoEET as follows:

i. **General Body of the Society** consists of the following members:

- Spl.CS/Prl.Secy/Secretary, Energy Department, GoAP (Chairman)
- CMD, APEPDCL (Vice Chairman)
- CMD, APSPDCL (Member)
- CMD, APCPDCL (Member)
- CMD, APTRANSCO (Member)
- MD, APGENCO (Member)
- MD NREDCAP (Member)
- Director HRD, APEPDCL (Member Convener)
- Representatives from CoEET Partnering Organizations (Member(s))
- Representatives from Academic institutions
  (IIM Visakhapatnam, Andhra University,
  Indian Institute of Petroleum, DSNLU, etc.) - (Member(s))

- Representatives from Think tanks (TERI, WRI, CEEW, CPR, etc.) - (Member(s))

ii. **Executive Body** of the Society consists of the following members:

- CMD, APEPDCL
- CMD, APTRANSCO
- CMD, APSPDCL
- CMD, APCPDCL
- Director HRD, APEPDCL

VI. The CoEET shall accommodate state-of-art facilities in the premises of APEPDCL's ECBC building on the seashore of Visakhapatnam - such as Innovation lab and R&D workspace, Training classrooms and seminar halls, Startup incubation bay, Digital twin and smart grid simulation setup.

VII. Financing/Fund Management The required fund may be mobilized through various means such as Internal allocation by APEPDCL and all Power utilities in the State, Grants from central government agencies (MNRE, MoP, DST), Collaborating institutes to chip in with Initial grant, Industry CSR and donor partnerships, etc.

VIII. A dedicated team for operating the CoEET shall be formed by deputing officials from AP power utilities as needed and supplemented by hiring sector experts & skeletal staff on fixed-term contracts.

6. The Chairman and Managing Director APEPDCL Visakhapatnam is requested to take further necessary action in the matter.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

K.VIJAYANAND
SPECIAL CHIEF SECRETARY TO GOVERNMENT(FAC)

To
The Chairman and Managing Director APEPDCL Visakhapatnam
Copy to:
The CMD, AP TRANSCO
The CMD, APSPDCL
The CMD, APCPDCL
The Director, HRD, APEPDCL
OSD to Hon'ble Minister for Energy
PS to the Spl.CS to Govt., Energy Department
SF/SPARE.

// FORWARDED :: BY ORDER //

SECTION OFFICER